



BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

LEA MARQUEZ PETERSON, Chairwoman
SANDRA D. KENNEDY
JUSTIN OLSON
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IN THE MATTER OF POSSIBLE
MODIFICATIONS TO THE
COMMISSION'S ENERGY RULES

DOCKET NO. RU-00000A-18-0284

**Joint Stakeholder Comments in Support
of the Commission's Energy Rules**

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The following comments are provided on behalf of the American Council for an Energy-Efficient Economy, American Lung Association, Arizona Interfaith Power and Light, Arizona Solar Energy Industries Association (AriSEIA), AZ Public Health Association, CHISPA Arizona, Citizen's Climate Lobby, Elders Climate Action, Natural Resources Defense Council, Northern Arizona Climate Change Alliance, Pima County, Prescott Interfaith Climate Action Team, Sierra Club, Solar Energy Industries Association

(SEIA), Solar Gain, Solar United Neighbors, Southwest Energy Efficiency Project (SWEET), Sunrun, Vote Solar, Western Grid Group, Western Resource Advocates (WRA), Yavapai Climate Change Coalition strongly support of the Commission's Energy Rules. Together, we urge the Commission to act expeditiously to finalize and implement its Energy Rules, including its new proposed:

- Carbon-free electricity standard – which would require Arizona Public Service (APS) and Tucson Electric Power (TEP) to be 100% carbon-free by 2050 and reduce their carbon emissions by 50% by 2032 and 75% by 2040.
- Energy efficiency standard – which would require APS and TEP to cut energy waste over the next decade and provide customers with more rebates and services to replace old air conditioners, swap out inefficient water heaters, and otherwise save energy.
- Distributed storage standard – which will drive the deployment of more than ~200 megawatts of customer-owned or leased energy storage systems by 2035, the equivalent of ~40,000 home battery storage systems. And,
- Improvements to the integrated resource planning process – which will support greater transparency and stakeholder engagement as utilities develop their 15-year plans for the power system, as well as favorable siting for renewable energy projects in fossil fuel impacted communities.

The Commission's Energy Rules will ensure continued progress and accountability toward clean energy investment by Arizona's regulated utilities and were informed by years of study, more than a dozen public meetings, thousands of written comments, and hundreds of hours of engagement by stakeholders.

The Rules are achievable and necessary to address the impacts of climate change, are consistent with policies being implemented across the Western United States to secure a zero-carbon future, and will ensure that Arizona prioritizes clean energy investment that creates in-state jobs, supports communities impacted by power plant closure, capitalizes on Arizona's superior solar resource, reduces ratepayers costs, minimizes the risk of future stranded costs, maximizes the benefits of energy efficiency, and improves local air quality and public health.

Attached herein as Appendix A, we are pleased to provide an index of analyses, studies, white papers, reports, and original research that document the public interest case for clean energy investment and enactment of the Arizona Commission's Energy Rules. Additionally, we are pleased to present Appendix B, a chronicle of the previously submitted oral and written comments lodged in support of the Commission's Energy Rules since Docket No. RU-00000A-18-0284 was established in 2018.

We hope these resources are useful to the Commission as it moves forward with the next steps to finalize this landmark regulation.

APPENDIX A

APPENDIX A: INDEX OF ANALYSES, STUDIES, WHITE PAPERS, REPORTS, AND ORIGINAL RESEARCH THAT DOCUMENT THE PUBLIC INTEREST CASE FOR CLEAN ENERGY INVESTMENT AND ENACTMENT OF THE COMMISSION’S ENERGY RULES

Public Opinion Research

Name	Author	Date	Source	High-Level Summary of Study Results
Arizona PIRG Education Fund Energy Poll	WPA Intelligence	January 2019	https://arizonapirg.org/sites/pirg/files/resources/Poll%20-%20Energy%202-19.pdf	<p>This wide-ranging poll, which was directed by the Arizona PIRG Education Fund and conducted by Washington, D.C.-based WPA Intelligence, a conservative pollster, tested likely Arizona voter opinions on topics including renewable energy, energy efficiency, electric vehicles, the Navajo Generating Station, and climate change. Key findings include the following:</p> <ul style="list-style-type: none"> • Renewable Energy: Eight-in-ten (82%) think it is very (56%) or somewhat (26%) important for Arizona to promote the growth of its own clean energy sources, such as wind and solar power, versus importing fossil fuels like natural gas and oil. • Energy Efficiency: Nearly seven-in-ten (68%) likely voters in Arizona agree that regulations applied to utility providers, such as Arizona Public Service, Tucson Electric Power, UNS Energy Corporation, or Salt River Project should be increased to ensure they are offering energy efficiency to all of their customers. • Electric Vehicles: A majority (57%) support an investment from our utility providers for electric vehicle charging infrastructure to be developed in underserved communities, such as highway corridors or rural areas, or in areas where the private sector is unlikely to serve or invest. • Navajo Generating Station: More than eight-in-ten (83%) think it is “very” (56%) or “somewhat” (27%) important the owners of the Navajo Generating Station provide financial assistance and support such as job training to communities impacted by the closing of the plant. • Climate Change: A majority of Arizonans (64%) agree that if the federal government fails to address the issue of climate change, the state or local government has a responsibility to address the problem.

2020 Conservation in the West Poll	Colorado College	Feb. 2020	https://www.coloradocollege.edu/other/stateoftherockies/conservationinthewest/2020/	<p>The annual Colorado College State of the Rockies Poll polls registered voters in Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming for their opinions on land conservation, energy, water, wildlife and other pressing challenges in the Mountain West. Major findings from the 2020 poll include the following:</p> <ul style="list-style-type: none"> • 70% of Arizonans would support a requirement for the state to gradually transition to 100% of our energy being produced from clean, renewable sources like solar and wind power over the next thirty years (i.e., by 2050). • 64% of Arizonans think that action should be taken to address climate change. • 75% of Arizonans think it is important that Arizona's governor has a plan to reduce carbon pollution that contributes to climate change. • 86% of Arizonans say that air pollution and smog is a serious or extremely/very serious problem. • 89% of Arizonans would support a proposal that would require oil and gas companies to use updated equipment and technology to prevent leaks of methane gas and other pollution into the air.
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Clean Energy

Name	Author	Date	Source	High-Level Summary of Study Results
Western Interconnect Energy Study	Jesse Jenkins and Greg Shivley, Clean Air Task Force, WRA	March 2020	https://doCKET.images.azcc.gov/E000005265.pdf	WRA presented the results of the <i>Western Interconnect Energy Study</i> at the Arizona Corporation Commission's March 2020 Energy Rules Workshop. The Study, conducted by Jesse Jenkins and Greg Shivley of the Clean Air Task Force, analyzed the relative costs of different policy options (e.g., renewable energy standard, clean energy standard, and tech clean energy standard) to reach zero-carbon electric generation by 2045 in the Western Electricity Coordinating Council (WECC).
Joint Stakeholder	16 Joint Stakeholders ¹	Feb. 2018	https://doCKET.images.azcc.gov/E000005265.pdf	An independent analysis endorsed by 16 different organizations was conducted to demonstrate a clear alternative energy pathway to what APS and TEP presented in their

¹ Western Resource Advocates, Arizona Utility Ratepayer Alliance, Diné CARE, To Nizhoni Ani, Western Grid Group, Arizona Interfaith Power and Light, Conservative Alliance for Solar Energy, Tucson 2030 District, Arizona Solar Energy Industries Association, Efficiency First Arizona, National Association of Energy Service Companies, Solar Energy Industries Association, Polyisocyanurate Insulation Manufacturers Association, Arizona Community Action Association (Now Wildfire), Southwest Energy Efficiency Project, and Our Mother of Sorrows Catholic Church

Alternative Integrated Resource Planning Portfolios			c.gov/0000185642.pdf	<p>most recent Integrated Resources Plans. The “Alternative Portfolios” represent an investment in a more diverse mix of resources, save over \$522 million dollars (NPV) over the 15-year period, reduce air pollution and water use, and meet energy demands and utilities’ operational needs.</p> <p>Specifically, the Alternative Portfolios invest in utility-scale solar, wind, biomass, storage, demand-side management, and a modest amount of new natural gas capacity, and meet annual energy demands and the utilities’ ramping and operational needs. They also reduce air pollution emissions and water use: In 2032, the Alternative Portfolios consume 16,000 acre-feet less water than the utility-proposed portfolios, or enough water to meet the annual residential needs of over 170,000 people.</p>
Summary of Alternative Resource Plan Analysis for Tucson Electric Power	Strategen Consulting, LLC	Oct. 15th, 2020	https://docket.images.azcc.gov/E000009567.pdf?i=1610378668537	<p>Strategen’s findings demonstrated that including the following additional features to TEP’s resource portfolio would be beneficial:</p> <ul style="list-style-type: none"> • Achieving 40% cumulative energy savings by 2030 from a broad portfolio of energy efficiency measures. EE is one of the most cost-competitive resources. Higher investment in EE can yield benefits by reducing system peak, saving energy costs, and reducing emissions. The specific portfolio of EE measures can also be tailored to match TEP’s evolving load and resource needs. • Allowing for economic cycling and economic retirement of coal resources. Continued operation of coal units is not only environmentally detrimental but results in significant costs for ratepayers due to the high cost and inflexibility of coal relative to other available resources.

Renewable Energy

Name	Author	Date	Source	High-Level Summary of Study Results
Arizona Renewable Energy	Ceres	March 2020	https://docket.images.azcc.gov/E000005256.pdf	Ceres recently commissioned an independent analysis on the benefits of Arizona’s Renewable Energy Standard and Tariff (REST). The study documents the benefits delivered to customers in the form of avoided energy and generation capacity costs,

Standard and Tariff: 2020 Progress Report				<p>reduced carbon emissions, reduced criteria air pollutants, water savings, increased investment in the state for a growing new industry, and technology cost reductions. Major findings include the following:</p> <ul style="list-style-type: none"> • From 2008 to 2018, gross benefits to utility customers and the public from implementing the REST have totaled nearly \$2 billion. • Cumulative avoided conventional energy costs (2008-2018): <ul style="list-style-type: none"> ○ APS system is approximately \$787 million. ○ TEP system is approximately \$251 million. ○ \$297 million in cumulative avoided conventional power plant capacity costs (2008-2018). • 3% overall reduction in carbon emissions relative to 2005 levels. • \$246 million in cumulative benefits from a reduction in criteria air pollutants. • Savings of 712 acre-feet of water annually, enough water to serve the needs of nearly 44,000 Arizonans each year. • Solar industry investment totaled \$16 billion in Arizona (more than \$735 million in 2018 alone). • Solar industry is a major source of employment in Arizona, with more than 7,500 jobs reported in 2018. • 47% of total installed solar and wind capacity in Arizona is in rural areas, stimulating economic development. • Achieving 45% by 2030, this could result in a billion of net benefits from generation-related costs in the next ten years for APS alone.
The Economic and Fiscal Benefits of Rural Utility-Scale Renewable Energy Facilities in Arizona	The Western Way	October, 2018	https://docket.ima.azcc.gov/000195827.pdf?i=1610266130487	<ul style="list-style-type: none"> • In 2018, the total direct and indirect benefits of annual rural renewable energy operations in Arizona will be an estimated \$63.3 million in total output (\$39.5 million direct output + \$23.8 million indirect and induced output) produced by 702 employees (234 direct employees + 468 indirect employees) earning a total of about \$33.5 million (\$15.1 million direct earnings + \$18.4 million indirect earnings). • The benefits will include a direct fiscal benefit to schools in Arizona of an estimated \$882,000 in property tax revenue.

Distributed Generation (DG)

Name	Author	Date	Source	High-Level Summary of Study Results
Decision 75859	Arizona Corporation Commission	January 2017	https://docket.ima.azcc.gov/000176114.pdf	<ul style="list-style-type: none"> • The Commission's Arizona Value of DG decision ended net metering and replaced it with net billing based on the value of DG. • This decision was implemented in APS rate case Decision 76295 and TEP/UNSE rate case Phase II Decision 76899.
The True Value of Solar: Measuring the Benefits of Rooftop Solar	Searson, Emma and Rob Sargent, Environment America Research and Policy Center	July 2019	https://environmentamerica.org/sites/environment/files/resources/AME%20Rooftop%20Solar%20Jul19%20web.pdf	This report summarizes the value provided by rooftop solar including an analysis of existing studies.
Rooftop solar: Net Metering is a net benefit	Muro, Mark, Devashree Saha. Brookings	May 2016	https://www.brookings.edu/research/rooftop-solar-net-metering-is-a-net-benefit/	This report shows that benefit cost studies conducted by utility commissions routinely show the benefits of net metering exceed cost. Note: Arizona no longer has net metering and DG is compensated at a lower rate.

Energy Efficiency

Name	Author	Date	Source	High-Level Summary of Study Results
Arizona Electric Utility Energy Efficiency	Southwest Energy Efficiency	Dec. 2019	http://www.sweep.org/Data/Sites/1/media/aa-a-documents-20	This factsheet from SWEEP compiles data from Arizona's three largest electric utilities on the net benefits that their energy efficiency programs have delivered to Arizona from 2009-2018. According to each utility's own reporting, <u>net</u> economic benefits from APS', SRP's, and TEP's energy efficiency programs totaled \$3.7 billion

Programs: A Success Story	Project (SWEEP)		19/fact-sheets/a-z-utility-ee-fact-sheet-2019.pdf	<p>from 2009-2018. This is equivalent to the electricity bills paid by the 2.4 million residential customers of the three utilities for nearly one year.² Additionally:</p> <ul style="list-style-type: none"> • The energy efficiency programs implemented during 2009-2018 resulted in water savings of around 2.6 billion gallons in 2018 from the reduced operation of thermal power plants, enough water to supply about 19,000 typical Arizona households. • As a result of a decade of energy efficiency programs, the three utilities cut their carbon dioxide emissions in 2018 by around 5.6 million metric tons. This is equivalent to taking approximately 1.15 million passenger vehicles off the road.³ <p>SWEEP also developed state factsheets for electric utilities in Colorado, Nevada, New Mexico, and Utah. See additional information here: https://www.swenergy.org/pubs/utility-energy-efficiency-programs-in-the-southwest--generating-big-benefits-for-consumers-the-clima</p>
The Future of U.S. Electricity Efficiency Programs Funded by Utility Customers: Program Spending and Savings Projections to 2030	U.S. Department of Energy Lawrence Berkeley National Lab (LBL)	Nov. 2018	https://emp.lbl.gov/publications/future-us-electricity-efficiency	<p>This study examines three scenarios for energy efficiency achievement by state through 2030 — low, medium and high cases — and the associated costs for the achievement of those saving scenarios. The Arizona assessment reveals the following for each of the three scenarios:</p> <ul style="list-style-type: none"> • Low scenario: <ul style="list-style-type: none"> ○ Anticipates 1% energy savings per year in 2030 for SRP; 0.5% savings for investor-owned utilities ○ Projects state utilities will spend \$144 million per year total in 2030 to achieve this level of savings • Medium scenario <ul style="list-style-type: none"> ○ Anticipates 2.0% energy savings per year in 2030 for SRP; 1.0% savings for investor-owned utilities ○ Projects state utilities will spend \$208 million per year total in 2030 to achieve this level of savings • High scenario

² Ibid, Page 2.

³ Ibid, Page 2.

				<ul style="list-style-type: none"> ○ Anticipates 2.0% energy savings per year in 2030 for SRP; 1.5% savings for investor-owned utilities ○ Projects state utilities will spend \$269 million per year total in 2030 to achieve this level of savings <p>In comparison, LBL reports that the state's utilities spent \$131 million on efficiency in 2016.</p>
Annual Utility Demand Side Management Reports Filed with the ACC and the SRP Board	APS, TEP, SRP	- March of each year for APS and TEP - Fall for SRP	SWEEP can provide reports to the Commissioner for any year of interest	Each year, the regulated utilities and SRP produce an annual report documenting the costs and benefits of their energy efficiency programs and the associated environmental benefits (e.g. avoided water use, avoided air pollution, etc.). SWEEP can provide reports to the Commissioner for any year or years of interest.
Is the "duck curve" eroding the value of energy efficiency?	SWEEP	August 2018	https://www.swenergy.org/pubs/is-the--duck-curve--eroding-the-value-of-energy-efficiency-	In recent years, utilities in the southwestern U.S. and California have experienced significant increases in the penetration of renewable resources – particularly solar PV. This has had a major effect on the operation and pricing of electricity in the wholesale markets in these regions. This paper explores the impacts of recent changes and future projections of wholesale market prices on the value of energy efficiency. More specifically, it conducts a time-based analysis of wholesale market prices in conjunction with time-specific savings from efficiency measures to better understand how the energy value of efficiency is evolving as renewables reduce the marginal cost of generation with a specific focus on Arizona Public Service. It finds that while some measures are likely to become less cost-effective, there is still significant value in a diversified efficiency portfolio. As the resource mix evolves, it will be necessary to tailor energy efficiency portfolios accordingly. However, it does not find compelling evidence for major overhauls in efficiency portfolios based on current or near-future levels of renewable energy over the next decade.
Maintaining Strong Utility Energy	SWEEP	August 2018	https://www.swenergy.org/pubs/maintaining-str	Electric utilities in the Southwest (AZ, CO, NM, NV and UT) have significantly ramped up their energy efficiency programs in the past decade. Some utilities in the region are achieving first year energy savings of 1.5% of retail sales or greater. Some

Efficiency Programs Beyond 2018: Challenges and Prospects in the Southwest			ong-utility-energy-efficiency-programs-beyond-2018--challenges-and-prospects-in-the-s	factors call into question the ability to sustain this level of energy savings beyond 2018. This report discusses the innovative technologies and program strategies that utilities are implementing to maintain and increase energy savings levels .
Are Recent Forays into Electricity Market Restructuring a Threat to Energy Efficiency?	Jeff Schlegel, Ellen Zuckerman, Edward Burgess	2014	https://www.aceee.org/files/proceedings/2014/data/papers/6-1135.pdf	This study reviews the performance and delivery of energy efficiency in states with retail competition versus those without retail competition. It also analyzes energy efficiency performance in states with and without energy savings requirements or targets, and with different administration models (e.g. administration by electric distribution companies versus non-utility administrators). The impacts of different forms, degrees, or specific provisions of retail competition are also reviewed. The study finds that states with retail competition appear more likely to perform well in terms of energy savings as a percent of retail sales. However, the higher savings levels achieved are more likely due to recent policies targeted at energy efficiency – particularly Energy Efficiency Resource Standards – and not retail competition per se. These states more often have decided to do more in the way of energy efficiency by setting more ambitious targets and subsequently enacting supporting policies such as decoupling, integrated resource planning requirements, and adequate levels of program funding. The ambitious goals set by these states are likely in part due to desire to reduce energy costs and reduce greenhouse gas emissions.
Smart-Tech Housing Developments In The Southwest: Grid-Integrated and Energy Efficient	SWEEP	Sept. 2019	https://www.swenergy.org/pubs/smart-tech-housing-developments-in-the-southwest-report	This report explores eight housing developments in Arizona, Colorado and Utah that are demonstrating that all of the recent advancements in digital communications and smart devices can work seamlessly with the electric grid and provide multiple benefits not only to homeowners in these developments, but also to home builders, the environment and to the local utility and all of its customers.

Grid-Interactive Efficient Buildings: Providing Energy Demand Flexibility for Utilities in the Southwest	SWEEP	August 2019	https://www.swenergy.org/pubs/grid-interactive-efficient-buildings-report	This report provides a summary of the residential and small commercial grid-interactive building demand-side management (DSM) programs at the major utilities in the Southwest, highlighting existing programs in the region that are using grid-interactive buildings (GEBs) as a resource to help with the integration of variable renewable generation and to provide other grid services that create value for customers. The report highlights programs in this region that are at the forefront of utilizing GEBs to provide value to the grid.
Time- Sensitive Valuation of Electricity Savings in the Southwest	SWEEP	August 2017	https://www.swenergy.org/data/sites/1/media/documents/publications/documents/Valuation%20of%20EE%20in%20Southwest%208-8-17%20FINAL.pdf	This report examines the methodologies that electric utilities in the Southwest use to value the avoided costs (i.e., determine the benefits) of their energy efficiency and other demand-side management programs. The report also presents the actual value of energy savings for different types of programs implemented by the southwest utilities, and provides recommendations for future valuation of energy savings.
\$20 Billion Bonanza	SWEEP	October 2012	https://www.swenergy.org/programs/utility/20-billion-bonanza	<p>This report finds that it is feasible to achieve a 21% reduction in electricity by the year 2020 from energy efficiency programs implemented 2010-2020. Reaching this target would save the equivalent of electricity used by 4.6 million typical households in the Southwest and require an investment of \$17 billion. The investment would be split between utilities and their customers and yield a resulting savings on energy purchases along with public health benefits of \$37 billion—or a net savings of \$20 billion.</p> <p>This report also included an Arizona-specific analysis and was conducted to illustrate the potential for Arizona’s utilities to achieve the Commission’s Energy Efficiency Resource Standard.</p>

Energy Efficiency Technology Briefs & Reports	SWEEP	Ongoing		<p>SWEEP regularly produces technology briefs highlighting opportunities for the deployment of new energy efficiency technologies. For example see:</p> <ul style="list-style-type: none"> • Technology Brief: Deep Retrofit of Multifamily Housing (December 2019): http://swenergy.org/Data/Sites/1/media/aaa-documents-2019/buildings/tech-brief-deep-energy-retrofit-final-december-2019-fin.pdf • Technology Brief: Air Sealing In Multifamily Buildings (June 2019): https://www.swenergy.org/pubs/technology-brief-air-sealing-multifamily-buildings • Best Practices for Conducting Energy Code Compliance Studies (January 2019): https://www.swenergy.org/pubs/best-practices-for-conducting-energy-code-compliance-studies • Is it Possible to Build a Zero-Energy Ready Home without Breaking the Bank? (June 2018): https://www.swenergy.org/data/sites/1/media/documents/publications/documents/Is%20it%20Possible%20to%20Buy%20a%20Zero-Energy%20Ready%20Home%20and%20Not%20Break%20the%20Bank_NK_Formatted_2018.pdf • Benefits of Heat Pumps for Homes in the Southwest (June 2018): https://www.swenergy.org/data/sites/1/media/documents/publications/documents/Heat%20pump%20study%20FINAL%202018-06-18.pdf • Multifamily Energy Efficiency Retrofits: Barriers and Opportunities for Deep Energy Savings (December 2016): https://www.swenergy.org/data/sites/1/media/documents/publications/documents/SWEEP-Multifamily-Report.pdf
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Just Transition/Securitization

Name	Author	Date	Source	High-Level Summary of Study Results
Managing the Coal Transition	Rocky Mountain	2018	https://rmi.org/wp-content/uploads/2018/09/RMI_	RMI summarizes the policy options available to regulators and asset owners based on interviews with 50 individual experts on coal sector economics and coal phaseout. Key observations include the following:

	Institute (RMI)		Managing the Coal Capital Transition 2018.pdf	<ul style="list-style-type: none"> • “Today, 54% of coal-fired power generation is cash-flow negative after debt service, which is predicted to increase to 97% by 2030.”⁴ • “Retiring excess coal capacity in line with holding global warming to well below 2C° would cumulatively avoid 142.8 gigatons (Gt) of greenhouse gas emissions”⁵ • Xcel Energy in Colorado can serve as an example of a utility seeking to transition their coal fleets to cleaner sources of energy. Xcel proposed an accelerated depreciation of decommissioning, which would cost \$200 million. Xcel proposed this delay by setting up a regulatory asset for collecting incremental expenses associated with early retirement. • “Thus, while ratepayers would be paying more per unit of electricity than the market rate for solar, they would be paying less per unit of electricity than they are currently paying for power from the Comanche plants.”⁶
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Comments on the Commission’s Integrated Resource Planning (IRP) Rules

Name	Author	Date	Source	High-Level Summary of Filing
Sierra Club Comments on IRP Rules	Louisa Eberle and Sandy Bahr, Sierra Club	5/19/2019	https://docket.images.azcc.gov/0000198327.pdf	Sierra Club’s preliminary recommendations on the IRP process in Arizona. These recommendations were expanded upon in subsequent responses from a coalition of stakeholders in response to Chairman Burns’ and Staff’s IRP rule proposals.
Stakeholder Comments in Response to Chairman Burns’ IRP Proposal	Louisa Eberle and Sandy Bahr, Sierra Club	3/11/2020 (refiled) 12/20/2019	https://docket.images.azcc.gov/E000005260.pdf https://docket.images.azcc.gov/E000004206.pdf	This filing specifically responds to Chairman Burns’ October 15, 2019, proposal for the IRP process in Arizona with recommendations and explanations for improvements to the IRP analysis, stakeholder engagement, and overall process.

⁴ Page 20, Ibid.

⁵ Page 25, Ibid.

⁶ Ibid, Page 65.

Stakeholder Comments in Response to Staff's IRP Proposal	Louisa Eberle and Sandy Bahr, Sierra Club	3/6/2020	http://docket.images.azcc.gov/E000005201.pdf	This filing specifically responds to Staff's February 19, 2020, proposal for the IRP process in Arizona with recommendations and explanations for improvements to the IRP analysis, stakeholder engagement, and overall process.
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Highlights of Energy Policies in the Intermountain West

State	Clean Energy	Renewable Energy	Energy Efficiency
Colorado	Governor announced a goal of 100% carbon-free electricity by 2050. ⁷	30% by 2020 (IOUs)	In 2017, the Colorado legislature passed House Bill 17-1227 extending Colorado's Energy Efficiency Resource Standard for 10 more years
New Mexico	100% zero-carbon energy by 2045 (IOUs)	80% by 2040 (IOUs)	In 2019, the New Mexico legislature passed House Bill 291 extending New Mexico's Energy Efficiency Resource Standard for 10 more years
Nevada	100% by 2050	50% by 2050	In 2017, the Nevada legislature passed two bills on energy efficiency: Senate Bill 150 which, among other changes: <ul style="list-style-type: none"> • Directs the Public Utilities Commission of Nevada (PUCN) to set energy savings goals for NV Energy; • Directs utilities and the PUCN to account for non-energy benefits when energy efficiency programs are evaluated for cost-effectiveness; • Allows the PUCN to approve energy efficiency programs that are not cost-effective as long as they are part of an overall energy efficiency plan that is cost effective.

⁷ <https://drive.google.com/file/d/0B7w3bkFgg92dMkpxY3VsNk5nVGZGOHJGRUV5VnJwQ1U4VWtF/view>

APPENDIX B

SUPPORTIVE WRITTEN COMMENTS

#	Organization/Entity	Date	Hyperlink
1	GreenEarth	11/9/2018	https://docket.images.azcc.gov/0000193512.pdf?i=1610266130487
2	Southwest Energy Efficiency Project, Western Grid Group and Western Resource Advocates	12/6/2018	https://docket.images.azcc.gov/0000194179.pdf?i=1610266130487
3	Arizonans for Electric Choice and Competition and Calpine Energy Solutions	12/7/2018	https://docket.images.azcc.gov/0000194199.pdf?i=1610266130487
4	Interwest Energy Alliance	2/22/2019	https://docket.images.azcc.gov/0000196245.pdf?i=1610266130487
5	Bruce Plenk (Individual)	2/26/2019	https://docket.images.azcc.gov/0000196306.pdf?i=1610266130487
6	Barbara McGuire	3/4/2019	https://docket.images.azcc.gov/0000196500.pdf?i=1610266130487
7	Sierra Club	3/15/2019	https://docket.images.azcc.gov/0000196776.pdf?i=1610266130487
8	Sierra Club	3/19/2019	https://docket.images.azcc.gov/0000196776.pdf
9	Interwest Energy Alliance	3/22/2019	https://docket.images.azcc.gov/0000196902.pdf
10	Vote Solar	3/25/2019	https://docket.images.azcc.gov/0000196905.pdf?i=1610266130487
11	Ingersoll Rand	3/25/2019	https://docket.images.azcc.gov/0000196902.pdf?i=1610266130487
12	Tesla	3/25/2019	https://docket.images.azcc.gov/0000196909.pdf?i=1610266130487
13	Sierra Club	3/25/2019	https://docket.images.azcc.gov/0000196911.pdf?i=1610266130487
14	Western Resource Advocates and Western Grid Group	3/25/2019	https://docket.images.azcc.gov/0000196912.pdf?i=1610266130487
15	Calpine Energy Solutions, LLC	3/25/2019	https://docket.images.azcc.gov/0000196915.pdf?i=1610266130487
16	Interwest Energy Alliance	3/25/2019	https://docket.images.azcc.gov/0000196916.pdf?i=1610266130487
17	SunRun	3/25/2019	https://docket.images.azcc.gov/0000196917.pdf?i=1610266130487
18	Ingersoll Rand	3/25/2019	https://docket.images.azcc.gov/0000196889.pdf
19	Vote Solar	3/25/2019	https://docket.images.azcc.gov/0000196905.pdf
20	Energy Storage Association	3/25/2019	https://docket.images.azcc.gov/0000196891.pdf
21	Tesla	3/25/2019	https://docket.images.azcc.gov/0000196909.pdf
22	WRA and Western Grid Group	3/25/2019	https://docket.images.azcc.gov/0000196912.pdf
23	Sunrun	3/25/2019	https://docket.images.azcc.gov/0000196917.pdf
24	Pascua Yaqui Tribe	3/25/2019	https://docket.images.azcc.gov/0000196939.pdf
25	Terry Finerock (Self)	4/17/2019	https://docket.images.azcc.gov/0000197367.pdf?i=1610266130487
26	Chispa Arizona	4/17/2019	https://docket.images.azcc.gov/0000197372.pdf?i=1610266130487
27	Karen Contos	5/10/2019	https://docket.images.azcc.gov/0000197892.pdf?i=1610266130487
28	Conservative Alliance For Solar Energy	5/13/2019	https://docket.images.azcc.gov/0000197886.pdf?i=1610266130487
29	David Wold (Self)	5/13/2019	https://docket.images.azcc.gov/0000197887.pdf?i=1610266130487
30	Kids Climate Action Network	5/13/2019	https://docket.images.azcc.gov/0000197947.pdf?i=1610266130487
31	Kids Climate Action Network	5/13/2019	https://docket.images.azcc.gov/0000197947.pdf
32	Laura Kiholm (Self)	5/14/2019	https://docket.images.azcc.gov/0000197940.pdf?i=1610266130487
33	Russell Lowes (Self)	5/14/2019	https://docket.images.azcc.gov/0000197939.pdf?i=1610266130487
34	Patsy Stewart (Self)	5/15/2019	https://docket.images.azcc.gov/0000197973.pdf?i=1610266130487
35	Laurie Lautzenheiser (Self)	5/15/2019	https://docket.images.azcc.gov/0000197974.pdf?i=1610266130487
36	Henry M. Goldberg and John M. Cordes (Self)	5/15/2019	https://docket.images.azcc.gov/0000197986.pdf?i=1610266130487
37	Western Sustainable Agriculture Working Group	5/16/2019	https://docket.images.azcc.gov/0000197996.pdf?i=1610266130487
38	Conservatives for Responsible Stewardship	5/16/2019	https://docket.images.azcc.gov/0000197997.pdf?i=1610266130487
39	Arizona Interfaith Power and Light	5/17/2019	https://docket.images.azcc.gov/0000198006.pdf?i=1610266130487
40	Arizona Public Health Association	5/17/2019	https://docket.images.azcc.gov/0000198010.pdf?i=1610266130487
41	Physicians for Social Responsibility, Arizona Chapter	5/17/2019	https://docket.images.azcc.gov/0000198009.pdf?i=1610266130487
42	Ceres BICEP Network	5/17/2019	https://docket.images.azcc.gov/0000198009.pdf?i=1610266130487
43	Western Way	5/17/2019	https://docket.images.azcc.gov/E000000808.pdf
44	Ceres BICEP Network	5/17/2019	https://docket.images.azcc.gov/0000198008.pdf
45	Alliance for Industrial Efficiency	5/17/2019	https://docket.images.azcc.gov/0000198061.pdf

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46	Black Mesa Water Coalition, Tó Nizhoni Áni Diné CARE and Former Navajo Nation Council Delegate Big Mountain	5/17/2019	https://docket.images.azcc.gov/0000198065.pdf
47	National Housing Trust	5/17/2019	https://docket.images.azcc.gov/0000198066.pdf
48	American Council for an Energy-Efficient Economy	5/17/2019	https://docket.images.azcc.gov/0000198007.pdf
49	Sharon Day (Self)	5/17/2019	https://docket.images.azcc.gov/0000198022.pdf?i=1610266130487
50	Laura J. Jakimovich (Self)	5/17/2019	https://docket.images.azcc.gov/0000198027.pdf?i=1610266130487
51	Pierre N. Tariot, MD (Self)	5/17/2019	https://docket.images.azcc.gov/0000198028.pdf?i=1610266130487
52	35 + Individual Ratepayers	5/17/2019	https://docket.images.azcc.gov/0000198029.pdf?i=1610266130487
53	180 + Individual Ratepayers	5/17/2019	https://docket.images.azcc.gov/0000198020.pdf?i=1610266130487
54	Arizona Interfaith Power & Light	5/17/2019	https://docket.images.azcc.gov/0000198030.pdf?i=1610266130487
55	Chispa Arizona	5/17/2019	https://docket.images.azcc.gov/0000198031.pdf?i=1610266130487
56	Silverino Antive (Self)	5/17/2019	https://docket.images.azcc.gov/0000198032.pdf?i=1610266130487
57	Cecilia Laguna (Self)	5/17/2019	https://docket.images.azcc.gov/0000198033.pdf?i=1610266130487
58	Patricia Argueta (Self)	5/17/2019	https://docket.images.azcc.gov/0000198034.pdf?i=1610266130487
59	Unknown (Self)	5/17/2019	https://docket.images.azcc.gov/0000198035.pdf?i=1610266130487
60	Gissele Campas (Self)	5/17/2019	https://docket.images.azcc.gov/0000198036.pdf?i=1610266130487
61	Wendy Gesund (Self)	5/17/2019	https://docket.images.azcc.gov/0000198021.pdf?i=1610266130487
62	Lenny E. (Self)	5/17/2019	https://docket.images.azcc.gov/0000198037.pdf?i=1610266130487
63	Terry Ayez (Self)	5/17/2019	https://docket.images.azcc.gov/0000198038.pdf?i=1610266130487
64	Nabel P. (Self)	5/17/2019	https://docket.images.azcc.gov/0000198039.pdf?i=1610266130487
65	Daria Santos (Self)	5/17/2019	https://docket.images.azcc.gov/0000198023.pdf?i=1610266130487
66	Unknown (Self)	5/17/2019	https://docket.images.azcc.gov/0000198040.pdf?i=1610266130487
67	Unknown (Self)	5/17/2019	https://docket.images.azcc.gov/0000198041.pdf?i=1610266130487
68	Brad Voracek (Self)	5/17/2019	https://docket.images.azcc.gov/0000198042.pdf?i=1610266130487
69	Patricia Argueta (Self)	5/17/2019	https://docket.images.azcc.gov/0000198024.pdf?i=1610266130487
70	Susan Ontivero (Self)	5/17/2019	https://docket.images.azcc.gov/0000198045.pdf?i=1610266130487
71	Blanca Abarca (Self)	5/17/2019	https://docket.images.azcc.gov/0000198046.pdf?i=1610266130487
72	Beatriz Beltran (Self)	5/17/2019	https://docket.images.azcc.gov/0000198045.pdf?i=1610266130487
73	M. Trinidad Ortiz(Self)	5/17/2019	https://docket.images.azcc.gov/0000198046.pdf?i=1610266130487
74	Laurel Hardin(Self)	5/17/2019	https://docket.images.azcc.gov/0000198025.pdf?i=1610266130487
75	Amy Bird (Self)	5/17/2019	https://docket.images.azcc.gov/0000198026.pdf?i=1610266130487
76	Patti Sills-Trausch (Self)	5/17/2019	https://docket.images.azcc.gov/0000198051.pdf?i=1610266130487
77	Mary Alisa Lawing (Self)	5/17/2019	https://docket.images.azcc.gov/0000198052.pdf?i=1610266130487
78	Joan Welty (Self)	5/17/2019	https://docket.images.azcc.gov/0000198053.pdf?i=1610266130487
79	Rev. Doug Bland (Self)	5/17/2019	https://docket.images.azcc.gov/0000198054.pdf?i=1610266130487
80	Barbara McGuire (Self)	5/17/2019	https://docket.images.azcc.gov/0000198055.pdf?i=1610266130487
81	Char Hoffman (Self)	5/17/2019	https://docket.images.azcc.gov/0000198056.pdf?i=1610266130487
82	Katherine Roxlo (Self)	5/17/2019	https://docket.images.azcc.gov/0000198057.pdf?i=1610266130487
83	Nona Siegel (Self)	5/17/2019	https://docket.images.azcc.gov/0000198058.pdf?i=1610266130487
84	Sandra Kenny (Self)	5/17/2019	https://docket.images.azcc.gov/0000198059.pdf?i=1610266130487
85	Alliance for Industrial Efficiency	5/17/2019	https://docket.images.azcc.gov/0000198061.pdf?i=1610266130487
86	70+ Ratepayers	5/17/2019	https://docket.images.azcc.gov/0000198063.pdf?i=1610266130487
87	Valarie A. Bryant	5/17/2019	https://docket.images.azcc.gov/0000198062.pdf?i=1610266130487
88	Vote Solar	5/17/2019	https://docket.images.azcc.gov/0000198064.pdf?i=1610266130487
89	Black Mesa Water Coalition, Tó Nizhoni Áni, Diné CARE and Former Navajo Nation Council Delegate Big Mountain	5/17/2019	https://docket.images.azcc.gov/0000198065.pdf?i=1610266130487

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90	National Housing Trust	5/17/2019	https://docket.images.azcc.gov/0000198066.pdf?i=1610266130487
91	Patricia M. Hoyt	5/17/2019	https://docket.images.azcc.gov/0000198074.pdf?i=1610266130487
92	Western Grid Group, Western Resource Advocates	5/17/2019	https://docket.images.azcc.gov/0000198076.pdf?i=1610266130487
93	Crosier Village Ministries	5/17/2019	https://docket.images.azcc.gov/0000198075.pdf?i=1610266130487
94	Hundreds of Individual Ratepayers	5/17/2019	https://docket.images.azcc.gov/0000198079.pdf?i=1610266130487
95	Arizona Technology Council	5/17/2019	https://docket.images.azcc.gov/0000198080.pdf?i=1610266130487
96	Yavapai County Climate Change Coalition	5/17/2019	https://docket.images.azcc.gov/0000198086.pdf?i=1610266130487
97	Primavera Foundation	5/17/2019	https://docket.images.azcc.gov/0000198095.pdf?i=1610266130487
98	Consumer Reports	5/17/2019	https://docket.images.azcc.gov/0000198096.pdf?i=1610266130487
99	Consumer Federation of America	5/17/2019	https://docket.images.azcc.gov/0000198097.pdf?i=1610266130487
100	James Moule (Self)	5/17/2019	https://docket.images.azcc.gov/E000000825.pdf?i=1610266130487
101	ProgressNow Arizona	5/17/2019	https://docket.images.azcc.gov/0000198098.pdf?i=1610266130487
102	Sierra Club	5/17/2019	https://docket.images.azcc.gov/0000198144.pdf?i=1610266130487
103	Environment Arizona	5/17/2019	https://docket.images.azcc.gov/0000198147.pdf?i=1610266130487
104	Wildfire	5/17/2019	https://docket.images.azcc.gov/0000198146.pdf?i=1610266130487
105	Wildfire	5/21/2019	https://docket.images.azcc.gov/0000198146.pdf
106	Tucson Urban League, Inc.	05/21/2019	https://docket.images.azcc.gov/0000198160.pdf?i=1610266130487
107	Center for Economic Integrity	5/21/2019	https://docket.images.azcc.gov/0000198161.pdf?i=1610266130487
108	Arizona Technology Council	5/21/2019	https://docket.images.azcc.gov/0000198168.pdf?i=1610266130487
109	Arizona PIRG Education Fund	5/21/2019	https://docket.images.azcc.gov/0000198182.pdf?i=1610266130487
110	Richard C. Katz (Self)	5/22/2019	https://docket.images.azcc.gov/E000000837.pdf?i=1610266130487
111	Tucson 2030 District	5/22/2019	https://docket.images.azcc.gov/0000198181.pdf?i=1610266130487
112	American Council on Consumer Awareness, Inc.	5/22/2019	https://docket.images.azcc.gov/0000198184.pdf?i=1610266130487
113	James Moule (Self)	5/23/2019	https://docket.images.azcc.gov/E000000856.pdf?i=1610266130487
114	Frederick Wilburn (Self)	5/24/2019	https://docket.images.azcc.gov/0000198236.pdf?i=1610266130487
115	Patricia Butler (Self)	5/24/2019	https://docket.images.azcc.gov/0000198237.pdf?i=1610266130487
116	Arizona Technology Council	05/28/2019	https://docket.images.azcc.gov/0000198265.pdf?i=1610266130487
117	Barbara Coon (Self)	05/28/2019	https://docket.images.azcc.gov/0000198273.pdf?i=1610266130487
118	Arizona Faith Network	05/29/2019	https://docket.images.azcc.gov/0000198284.pdf?i=1610266130487
119	Chressie Jo Sylvester (Self)	05/29/2019	https://docket.images.azcc.gov/0000198283.pdf?i=1610266130487
120	Korey Hjelmair (Self)	05/29/2019	https://docket.images.azcc.gov/0000198282.pdf?i=1610266130487
121	Shelly Gordon-Gray (Self)	05/29/2019	https://docket.images.azcc.gov/0000198281.pdf?i=1610266130487
122	William C. Elliott (Self)	05/29/2019	https://docket.images.azcc.gov/0000198280.pdf?i=1610266130487
123	Energy Storage Association	05/29/2019	https://docket.images.azcc.gov/0000198301.pdf?i=1610266130487
124	40+ Individual Ratepayers	05/29/2019	https://docket.images.azcc.gov/0000198304.pdf?i=1610266130487
125	Sandy Whitley	05/29/2019	https://docket.images.azcc.gov/0000198303.pdf?i=1610266130487
126	James Moule (Self)	05/29/2019	https://docket.images.azcc.gov/0000198305.pdf?i=1610266130487
127	100+ Individual Ratepayers	05/29/2019	https://docket.images.azcc.gov/0000198306.pdf?i=1610266130487
128	Interwest Energy Alliance	05/29/2019	https://docket.images.azcc.gov/0000198307.pdf?i=1610266130487
129	Western Resource Advocates, Western Grid Group, Vote Solar, and the Sierra Club	05/29/2019	https://docket.images.azcc.gov/0000198308.pdf?i=1610266130487
130	Sierra Club	05/29/2019	https://docket.images.azcc.gov/0000198327.pdf?i=1610266130487
131	Caroline Davies (Self)	05/30/2019	https://docket.images.azcc.gov/0000198349.pdf?i=1610266130487
132	Sunrun	05/30/2019	https://docket.images.azcc.gov/0000198335.pdf?i=1610266130487
133	Nona Siegel (Self)	05/31/2019	https://docket.images.azcc.gov/E000001144.pdf?i=1610266130487
134	Sally Rings (Self)	06/04/2019	https://docket.images.azcc.gov/E000001194.pdf?i=1610266130487
135	Tajinder Uppal (Self)	06/06/2019	https://docket.images.azcc.gov/E000001247.pdf?i=1610266130487

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136	Frederick Wilburn (Self)	06/07/2019	https://docket.images.azcc.gov/0000198483.pdf?i=1610266130487
137	Pascua Yaqui Tribe	06/16/2019	https://docket.images.azcc.gov/0000198664.pdf?i=1610266130487
138	First Solar	06/25/2019	https://docket.images.azcc.gov/0000198769.pdf?i=1610266130487
139	Arizona PIRG Education Fund	07/08/2019	https://docket.images.azcc.gov/E000001593.pdf?i=1610266130487
140	Jeanne Devine (Self)	7/10/2019	https://docket.images.azcc.gov/0000198966.pdf?i=1610266130487
141	Bruce Plenk (Self)	7/11/2019	https://docket.images.azcc.gov/E000001757.pdf?i=1610266130487
142	Varun Shourie (Self)	7/11/2019	https://docket.images.azcc.gov/0000199013.pdf?i=1610266130487
143	Tajinder Uppal (Self)	7/11/2019	https://docket.images.azcc.gov/0000199012.pdf?i=1610266130487
144	Hundreds of Individual Ratepayers	7/11/2019	https://docket.images.azcc.gov/0000199010.pdf?i=1610266130487
145	Interwest Energy Alliance	7/12/2019	https://docket.images.azcc.gov/E000001800.pdf?i=1610266130487
146	John and Linda Cooke (Self)	7/12/2019	https://docket.images.azcc.gov/E000001793.pdf?i=1610266130487
147	Carol Blackman (Self)	7/12/2019	https://docket.images.azcc.gov/E000001792.pdf?i=1610266130487
148	Stacie Hipp (Self)	7/12/2019	https://docket.images.azcc.gov/E000001790.pdf?i=1610266130487
149	Robert Krenn (Self)	7/12/2019	https://docket.images.azcc.gov/E000001789.pdf?i=1610266130487
150	Marty Light (Self)	7/12/2019	https://docket.images.azcc.gov/E000001788.pdf?i=1610266130487
151	Western Resource Advocates	7/12/2019	https://docket.images.azcc.gov/E000001787.pdf?i=1610266130487
152	Arizona Interfaith Power & Light	7/12/2019	https://docket.images.azcc.gov/E000001785.pdf?i=1610266130487
153	Energy Storage Association	7/12/2019	https://docket.images.azcc.gov/0000199017.pdf?i=1610266130487
154	Bruce Plenk (Self)	7/12/2019	https://docket.images.azcc.gov/0000199019.pdf?i=1610266130487
155	James Stein (Self)	7/16/2019	https://docket.images.azcc.gov/E000001879.pdf?i=1610266130487
156	7 Individual Ratepayers	7/16/2019	https://docket.images.azcc.gov/E000001878.pdf?i=1610266130487
157	First Solar	7/19/2019	https://docket.images.azcc.gov/E000002015.pdf?i=1610266130487
158	Danielle Cowan (Self)	7/19/2019	https://docket.images.azcc.gov/0000199114.pdf?i=1610266130487
159	Sherri Gerlach (Self)	7/19/2019	https://docket.images.azcc.gov/0000199111.pdf?i=1610266130487
160	Nancy Peterson (Self)	7/19/2019	https://docket.images.azcc.gov/0000199112.pdf?i=1610266130487
161	Betsy Tait (Self)	7/19/2019	https://docket.images.azcc.gov/0000199113.pdf?i=1610266130487
162	Dean Pedrotti	7/19/2019	https://docket.images.azcc.gov/0000199118.pdf?i=1610266130487
163	Char Hoffman (Self)	7/19/2019	https://docket.images.azcc.gov/0000199121.pdf?i=1610266130487
164	Patricia Always (Self)	07/19/2019	https://docket.images.azcc.gov/0000199122.pdf?i=1610266130487
165	Earth Justice Ministry of UUCP	7/25/2019	https://docket.images.azcc.gov/E000002083.pdf?i=1610266130487
166	Shea Stanfield (Self)	7/25/2019	https://docket.images.azcc.gov/E000002072.pdf?i=1610266130487
167	David A. Wolf (Self)	7/26/2019	https://docket.images.azcc.gov/E000002089.pdf?i=1610266130487
168	Conservative Alliance for Solar Energy	7/26/2019	https://docket.images.azcc.gov/0000199203.pdf?i=1610266130487
169	Regena G. Bacon, Frederick C. Davis Jr., David A. Wolf and D. Richard Toth	7/26/2019	https://docket.images.azcc.gov/0000199204.pdf?i=1610266130487
170	Richard Toth (Self)	7/26/2019	https://docket.images.azcc.gov/E000002123.pdf?i=1610266130487
171	Alice M. Miller, Charles Miller, Bill and Susan Nee, Charles E. Conn	7/29/2019	https://docket.images.azcc.gov/0000199239.pdf?i=1610266130487
172	11 Individual Ratepayers	7/29/2019	https://docket.images.azcc.gov/0000199240.pdf?i=1610266130487
173	3 Individual Ratepayers	7/30/2019	https://docket.images.azcc.gov/E000002151.pdf?i=1610266130487
174	Ron and Carol Vandervort (Self)	7/30/2019	https://docket.images.azcc.gov/E000002143.pdf?i=1610266130487
175	25 + Joint Stakeholders	7/30/2019	https://docket.images.azcc.gov/E000002141.pdf?i=1610266130487
176	American Express	7/30/2019	https://docket.images.azcc.gov/0000199245.pdf?i=1610266130487
177	3 Individual Ratepayers	7/31/2019	https://docket.images.azcc.gov/E000002151.pdf?i=1610266130487
178	Mary Stout (Self)	7/31/2019	https://docket.images.azcc.gov/E000002181.pdf?i=1610266130487
179	Western Grid Group	08/02/2019	https://docket.images.azcc.gov/E000002251.pdf?i=1610266130487
180	John and Charlotte Silvester (Self)	08/06/2019	https://docket.images.azcc.gov/E000002282.pdf?i=1610266130487
181	8 Individual Ratepayers	08/07/2019	https://docket.images.azcc.gov/E000002291.pdf?i=1610266130487
182	Janna Papa Beckler (Self)	08/07/2019	https://docket.images.azcc.gov/0000199335.pdf?i=1610266130487

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183	James Corbin (Self)	08/07/2019	https://docket.images.azcc.gov/0000199370.pdf?i=1610266130487
184	Henry M. Goldberg and John M. Cordes	08/08/2019	https://docket.images.azcc.gov/E000002316.pdf?i=1610266130487
185	Henry Goldberg (Self)	08/08/2019	https://docket.images.azcc.gov/E000002313.pdf?i=1610266130487
186	Sandy Whitley (Self)	8/12/2019	https://docket.images.azcc.gov/E000002363.pdf?i=1610266130487
187	Karen Schedler (Self)	8/14/2019	https://docket.images.azcc.gov/E000002394.pdf?i=1610266130487
188	Sierra Club Study Conducted by Strategen	9/25/2019	https://docket.images.azcc.gov/E000002985.pdf
189	14 Individual Ratepayers	10/17/2019	https://docket.images.azcc.gov/E000003319.pdf?i=1610266130487
190	20 Individual Ratepayers	10/21/2019	https://docket.images.azcc.gov/E000003378.pdf?i=1610266130487
191	41 Individual Ratepayers	10/23/2019	https://docket.images.azcc.gov/E000003414.pdf?i=1610266130487
192	Pearl Street Incorporated	10/25/2019	https://docket.images.azcc.gov/E000003445.pdf?i=1610266130487
193	Brad Johns (Self)	10/25/2019	https://docket.images.azcc.gov/0000199993.pdf?i=1610266130487
194	12 Individual Ratepayers	10/25/2019	https://docket.images.azcc.gov/0000200017.pdf?i=1610266130487
195	21 Individual Ratepayers	10/30/2019	https://docket.images.azcc.gov/E000003497.pdf?i=1610266130487
196	U.S. Energy Recovery	11/05/2019	https://docket.images.azcc.gov/E000003566.pdf?i=1610266130487
197	Saline Calhoun (Self)	11/05/2019	https://docket.images.azcc.gov/0000200087.pdf?i=1610266130487
198	20 Individual Ratepayers	11/13/2019	https://docket.images.azcc.gov/E000003671.pdf?i=1610266130487
199	Teri Raml (Self)	11/18/2019	https://docket.images.azcc.gov/0000200187.pdf?i=1610266130487
200	Pat McDonough (Self)	11/18/2019	https://docket.images.azcc.gov/0000200188.pdf?i=1610266130487
201	James Ashcroft (Self)	11/18/2019	https://docket.images.azcc.gov/0000200189.pdf?i=1610266130487
202	Sonny Rock (Self)	12/04/2019	https://docket.images.azcc.gov/E000003915.pdf?i=1610266130487
203	The Sonoran Schools	12/10/2019	https://docket.images.azcc.gov/0000200450.pdf
204	Garrett Kowalewski, CEO - Staff Matters	12/10/2019	https://docket.images.azcc.gov/E000004051.pdf?i=1610266130487
205	Dr. Vincent M. Pellegrino - Sonoran School District	12/16/2019	https://docket.images.azcc.gov/E000004116.pdf?i=1610266130487
206	Robert Rossi, The Crosier Fathers and Brothers	12/17/2019	https://docket.images.azcc.gov/E000004120.pdf?i=1610266130487
207	The Western Way	12/18/2019	https://docket.images.azcc.gov/E000004155.pdf?i=1610266130487
208	The Western Way	12/19/2019	https://docket.images.azcc.gov/E000004166.pdf
209	SWEET, Western Grid Group, Western Resource Advocates, Vote Solar, Solar United Neighbors	12/20/2019	https://docket.images.azcc.gov/E000004206.pdf
210	Arizona Technology Council	12/20/2019	https://docket.images.azcc.gov/0000200451.pdf
211	Arizona Technology Council	12/20/2019	https://docket.images.azcc.gov/0000200451.pdf?i=1610266130487
212	Biosphere Systems International Foundation	12/20/2019	https://docket.images.azcc.gov/0000200452.pdf?i=1610266130487
213	4 Individual Ratepayers	01/06/2020	http://edocket.azcc.gov/search/docket-search/item-detail/21658
214	Ball Corporation, ON Semiconductor, Recleim, Schneider Electric, and Tucson 2030 District	1/21/2020	https://docket.images.azcc.gov/0000200676.pdf?i=1610266130487
215	Thomas Lammie (Self)	1/24/2020	https://docket.images.azcc.gov/E000004571.pdf?i=1610266130487
216	Conservatives for Responsible Stewardship	2/20/2020	https://docket.images.azcc.gov/E000004985.pdf
217	Marcella Lambert (Self)	2/20/2020	https://docket.images.azcc.gov/E000004986.pdf?i=1610266130487
218	Conservatives For Responsible Stewardship	2/20/2020	https://docket.images.azcc.gov/E000004985.pdf?i=1610266130487
219	Sandy Whitley (Self)	2/26/2020	https://docket.images.azcc.gov/0000201041.pdf?i=1610266130487
220	Char Hoffman (Self)	2/26/2020	https://docket.images.azcc.gov/0000201042.pdf?i=1610266130487
221	Pat McDonough (Self)	2/26/2020	https://docket.images.azcc.gov/0000201043.pdf?i=1610266130487
222	Myra Ronan (Self)	2/26/2020	https://docket.images.azcc.gov/0000201044.pdf?i=1610266130487
223	Bea Ronan (Self)	2/26/2020	https://docket.images.azcc.gov/0000201045.pdf?i=1610266130487
224	Dean Pedrotti (Self)	2/26/2020	https://docket.images.azcc.gov/0000201044.pdf?i=1610266130487
225	Western Grid Group, Western Resource Advocates, Sierra Club	03/06/2020	https://docket.images.azcc.gov/E000005201.pdf

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#	Organization/Entity	Date	Hyperlink
226	Sierra Club, Southwest Energy Efficiency Project, Western Resource Advocates, Vote Solar, Solar United Neighbors	03/06/2020	https://docket.images.azcc.gov/E000005201.pdf?i=1610266130487
227	Our Lady of the Angels Church at the Franciscan Renewal Center	03/06/2020	https://docket.images.azcc.gov/0000201111.pdf?i=1610266130487
228	Abril Valenzuela and Virginia Ticay	03/06/2020	https://docket.images.azcc.gov/0000201112.pdf?i=1610266130487
229	Monica Dorsey (Self)	03/06/2020	https://docket.images.azcc.gov/0000201113.pdf?i=1610266130487
230	5 sixteen year-old Brophy College Preparatory Students	03/06/2020	https://docket.images.azcc.gov/0000201114.pdf?i=1610266130487
231	Patrick Grady, Prescott Faith Network for Earth Care	03/06/2020	https://docket.images.azcc.gov/0000201115.pdf?i=1610266130487
232	Members of The Fountains, a United Methodist Church	03/06/2020	https://docket.images.azcc.gov/0000201116.pdf?i=1610266130487
233	Arizona's faith-based leaders	03/06/2020	https://docket.images.azcc.gov/0000201117.pdf?i=1610266130487
234	Earth Justice Ministry of Unitarian Universalist Congregation of Phoenix	03/09/2020	https://docket.images.azcc.gov/E000005219.pdf?i=1610266130487
235	5000+ Individual Ratepayeres	03/09/2020	https://docket.images.azcc.gov/E000005217.pdf?i=1610266130487
236	C.H. Huckleberry, Pima County	03/09/2020	https://docket.images.azcc.gov/E000005215.pdf?i=1610266130487
237	SWEEP	3/11/2020	https://docket.images.azcc.gov/E000005258.pdf
238	Ceres	3/11/2020	https://docket.images.azcc.gov/E000005256.pdf
239	Ceres	3/11/2020	https://docket.images.azcc.gov/E000005264.pdf?i=1610266130487
240	Barbara Johnson (Self)	3/11/2020	https://docket.images.azcc.gov/0000201130.pdf?i=1610266130487
241	Nazilda Joames (Self)	3/11/2020	https://docket.images.azcc.gov/0000201131.pdf?i=1610266130487
242	Carol Vanderoot (Self)	3/11/2020	https://docket.images.azcc.gov/0000201132.pdf?i=1610266130487
243	Brenda Bobinsky (Self)	3/11/2020	https://docket.images.azcc.gov/0000201133.pdf?i=1610266130487
244	Jarita Frie (Self)	3/11/2020	https://docket.images.azcc.gov/0000201134.pdf?i=1610266130487
245	William Rose (Self)	3/11/2020	https://docket.images.azcc.gov/0000201135.pdf?i=1610266130487
246	Jack Connoly (Self)	3/11/2020	https://docket.images.azcc.gov/0000201136.pdf?i=1610266130487
247	Jean Kiser (Self)	3/11/2020	https://docket.images.azcc.gov/0000201137.pdf?i=1610266130487
248	Dolores Tomlinson (Self)	3/11/2020	https://docket.images.azcc.gov/0000201139.pdf?i=1610266130487
249	Gary Kisen (Self)	3/11/2020	https://docket.images.azcc.gov/0000201140.pdf?i=1610266130487
250	Michael Broden Ruster (Self)	3/11/2020	https://docket.images.azcc.gov/0000201151.pdf?i=1610266130487
251	Steven L. Smith (Self)	3/11/2020	https://docket.images.azcc.gov/0000201152.pdf?i=1610266130487
252	Janet Geagas (Self)	3/11/2020	https://docket.images.azcc.gov/0000201153.pdf?i=1610266130487
253	Mikaela Maneely (Self)	3/11/2020	https://docket.images.azcc.gov/0000201154.pdf?i=1610266130487
254	Nancie Kilbourne (Self)	3/11/2020	https://docket.images.azcc.gov/0000201156.pdf?i=1610266130487
255	John H. Stryker (Self)	3/11/2020	https://docket.images.azcc.gov/0000201157.pdf?i=1610266130487
256	Victoria Cook (Self)	3/11/2020	https://docket.images.azcc.gov/0000201158.pdf?i=1610266130487
257	Patricia Moore (Self)	3/11/2020	https://docket.images.azcc.gov/0000201142.pdf?i=1610266130487
258	Janet L. Eslick (Self)	3/11/2020	https://docket.images.azcc.gov/0000201143.pdf?i=1610266130487
259	Ruiz M. Lucas (Self)	3/11/2020	https://docket.images.azcc.gov/0000201144.pdf?i=1610266130487
260	Patrine Gray (Self)	3/11/2020	https://docket.images.azcc.gov/0000201145.pdf?i=1610266130487
261	Margruth Ideleuc (Self)	3/11/2020	https://docket.images.azcc.gov/0000201146.pdf?i=1610266130487
262	Francine R. Bennal (Self)	3/11/2020	https://docket.images.azcc.gov/0000201147.pdf?i=1610266130487
263	Claire F. Evans (Self)	3/11/2020	https://docket.images.azcc.gov/0000201148.pdf?i=1610266130487
264	Peggy Harke (Self)	3/11/2020	https://docket.images.azcc.gov/0000201149.pdf?i=1610266130487
265	MaryAnn Millinen-Stryker (Self)	3/11/2020	https://docket.images.azcc.gov/0000201159.pdf?i=1610266130487
266	Rudy R. Havarro (Self)	3/11/2020	https://docket.images.azcc.gov/0000201150.pdf?i=1610266130487
267	Mary Ann Graffognino (Self)	3/11/2020	https://docket.images.azcc.gov/0000201160.pdf?i=1610266130487
268	Caul A. Hubut (Self)	3/11/2020	https://docket.images.azcc.gov/0000201161.pdf?i=1610266130487

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#	Organization/Entity	Date	Hyperlink
269	Yvonne Gerder (Self)	3/11/2020	https://docket.images.azcc.gov/0000201162.pdf?i=1610266130487
270	Vilma O. Freske (Self)	3/11/2020	https://docket.images.azcc.gov/0000201163.pdf?i=1610266130487
271	Kettly EssLinger (Self)	3/11/2020	https://docket.images.azcc.gov/0000201164.pdf?i=1610266130487
272	James M. Mick (Self)	3/11/2020	https://docket.images.azcc.gov/0000201165.pdf?i=1610266130487
273	Joseph Mareck (Self)	3/11/2020	https://docket.images.azcc.gov/0000201166.pdf?i=1610266130487
274	Marin C. Buenoun (Self)	3/11/2020	https://docket.images.azcc.gov/0000201167.pdf?i=1610266130487
275	Francine Mick (Self)	3/11/2020	https://docket.images.azcc.gov/0000201168.pdf?i=1610266130487
276	Evelyn Romaine (Self)	3/11/2020	https://docket.images.azcc.gov/0000201169.pdf?i=1610266130487
277	Vera Williams (Self)	3/11/2020	https://docket.images.azcc.gov/0000201170.pdf?i=1610266130487
278	Linda Wood (Self)	3/11/2020	http://docket.images.azcc.gov/0000201171.pdf?i=1610266130487
279	James Romaine (Self)	3/11/2020	https://docket.images.azcc.gov/0000201172.pdf?i=1610266130487
280	Joan Carrillo (Self)	3/11/2020	https://docket.images.azcc.gov/0000201173.pdf?i=1610266130487
281	Alex Carrillo (Self)	3/11/2020	http://docket.images.azcc.gov/0000201174.pdf?i=1610266130487
282	Teresa A. Stafford (Self)	3/11/2020	http://docket.images.azcc.gov/00201175.pdf?i=1610266130487
283	Maria Robinson (Self)	3/11/2020	https://docket.images.azcc.gov/0000201176.pdf?i=1610266130487
284	Gladys Miller (Self)	3/11/2020	https://docket.images.azcc.gov/0000201177.pdf?i=1610266130487
285	Beth Hunsdaw (Self)	3/11/2020	https://docket.images.azcc.gov/0000201178.pdf?i=1610266130487
286	Disiee L. Humphrey (Self)	3/11/2020	https://docket.images.azcc.gov/0000201179.pdf?i=1610266130487
287	Ramune Sarup (Self)	3/11/2020	https://docket.images.azcc.gov/0000201175.pdf?i=1610266130487
288	M. Hoffman (Self)	3/11/2020	https://docket.images.azcc.gov/0000201182.pdf?i=1610266130487
289	Joanne Allen (Self)	3/11/2020	https://docket.images.azcc.gov/0000201181.pdf?i=1610266130487
290	Teresa A. Stafford (Self)	3/11/2020	https://docket.images.azcc.gov/0000201175.pdf?i=1610266130487
291	Joint Stakeholders Energy Rules Proposal and presentation	3/12/2020	https://docket.images.azcc.gov/E000005275.pdf AND https://docket.images.azcc.gov/E000005346.pdf
292	Western Resource Advocates and Clean Air Task Force	3/12/2020	https://docket.images.azcc.gov/E000005265.pdf
293	32 + Joint Stakeholders	3/12/2020	http://docket.images.azcc.gov/E000005275.pdf?i=1610266130487
294	The Nature Conservancy in Arizona	3/18/2020	https://docket.images.azcc.gov/E000005360.pdf?i=1610266130487
295	32+ Joint Stakeholders	3/18/2020	https://docket.images.azcc.gov/E000005346.pdf?i=1610266130487
296	Ceres	3/19/2020	https://docket.images.azcc.gov/E000006575.pdf
297	Southwest Energy Efficiency Project, Sierra Club, Western Resource Advocates, Chispa Arizona, and Vote Solar	3/19/2020	https://docket.images.azcc.gov/E000005407.pdf?i=1610266130487
298	Ceres	3/19/2020	https://docket.images.azcc.gov/E000005408.pdf?i=1610266130487
299	Western Resource Advocates, SWEEP, Vote Solar, Sierra Club, and Chispa Arizona	3/20/2020	https://docket.images.azcc.gov/E000005450.pdf
300	Western Resource Advocates, Western Grid Group, Southwest Energy Efficiency Project, Vote Solar, and Chispa Arizona	3/20/2020	https://docket.images.azcc.gov/E000005407.pdf
301	Interwest Energy Alliance	3/20/2020	https://docket.images.azcc.gov/E000005464.pdf?i=1610266130487
302	3Degrees	3/20/2020	https://docket.images.azcc.gov/E000005451.pdf?i=1610266130487
303	Southwest Energy Efficiency Project, Western Grid Group, Sierra Club, Western Resource Advocates, Chispa Arizona, and Vote Solar	3/20/2020	https://docket.images.azcc.gov/E000005450.pdf?i=1610266130487
304	Interwest Energy Alliance	3/24/2020	https://docket.images.azcc.gov/E000005538.pdf
305	James Corbin and Bruce Plenk (Self)	3/26/2020	https://docket.images.azcc.gov/0000201289.pdf?i=1610266130487
306	Southwest Energy Efficiency Project	4/8/2020	https://docket.images.azcc.gov/E000005829.pdf?i=1610266130487
307	Anabeth Avila Arenas (Self)	4/13/2020	https://docket.images.azcc.gov/E000005898.pdf?i=1610266130487
308	Taylor Wyum (Self)	4/13/2020	https://docket.images.azcc.gov/E000005877.pdf?i=1610266130487
309	Ryan Tsingine (Self)	4/14/2020	https://docket.images.azcc.gov/E000005919.pdf?i=1610266130487
310	Mitchell W. Riner (Self)	4/14/2020	https://docket.images.azcc.gov/E000005916.pdf?i=1610266130487

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#	Organization/Entity	Date	Hyperlink
311	Alexander Wilson (Self)	4/14/2020	https://docket.images.azcc.gov/E000005911.pdf?i=1610266130487
312	City of Tucson City Council and Mayor's Office	5/12/2020	https://docket.images.azcc.gov/E000006462.pdf?i=1610266130487
313	Ceres	5/19/2020	http://docket.images.azcc.gov/E000006491.pdf?i=1610266130487
314	John Carter (Self)	5/27/2020	https://docket.images.azcc.gov/E000006752.pdf?i=1610266130487
315	Shelly Gordon (Self)	5/27/2020	https://docket.images.azcc.gov/E000006751.pdf?i=1610266130487
316	Joanne Schlosser (Self)	6/6/2020	https://docket.images.azcc.gov/E000006875.pdf?i=1610266130487
317	Sixth Grade Student Ash Fork Middle School, Pamela Vazquez	6/8/2020	https://docket.images.azcc.gov/E000006938.pdf?i=1610266130487
318	Sunrun	6/11/2020	https://docket.images.azcc.gov/E000007025.pdf?i=1610266130487
319	Mary E. Anderson (Self)	6/15/2020	https://docket.images.azcc.gov/E000007042.pdf?i=1610266130487
320	Robert (Bob) Bendotti	6/16/2020	https://docket.images.azcc.gov/0000201647.pdf?i=1610266130487
321	Scott and Barbara Small (Self)	6/16/2020	https://docket.images.azcc.gov/0000201648.pdf?i=1610266130487
322	Rev. Andre Dargis (Self)	6/16/2020	https://docket.images.azcc.gov/0000201648.pdf?i=1610266130488
323	Shelly Gordon (Self)	6/19/2020	https://docket.images.azcc.gov/E000007136.pdf?i=1610266130487
324	City of Scottsdale and City of Fountain Hills	6/23/2020	http://docket.images.azcc.gov/E000007250.pdf?i=1610266130487
325	33 Individual Ratepayers	6/29/2020	https://docket.images.azcc.gov/0000201687.pdf?i=1610266130487
326	Coconino County Board of Supervisors	6/30/2020	https://docket.images.azcc.gov/E000007390.pdf?i=1610266130487
327	Office of Mayor Kate Gallego	6/30/2020	https://docket.images.azcc.gov/E000007355.pdf?i=1610266130487
328	Stephen Cook (Self)	6/30/2020	https://docket.images.azcc.gov/E000007370.pdf?i=1610266130487
329	Vote Solar and Solar United Neighbors	7/1/2020	https://docket.images.azcc.gov/E000007412.pdf?i=1610266130487
330	City of Flagstaff	7/2/2020	https://docket.images.azcc.gov/E000007445.pdf?i=1610266130487
331	City of Flagstaff	7/2/2020	https://docket.images.azcc.gov/E000007439.pdf?i=1610266130487
332	City of Mesa	7/2/2020	https://docket.images.azcc.gov/E000007468.pdf?i=1610266130487
333	Todd Madeksza (Self)	7/7/2020	https://docket.images.azcc.gov/E000007478.pdf?i=1610266130487
334	City of Tempe	7/10/2020	https://docket.images.azcc.gov/E000007537.pdf?i=1610266130487
335	79 Individual Ratepayers	7/10/2020	https://docket.images.azcc.gov/0000201767.pdf?i=1610266130487
336	Sierra Club, Tó Nizhoni Áni, Western Clean Energy Campaign, Diné CARE and Western Grid Group	7/13/2020	https://docket.images.azcc.gov/E000007581.pdf?i=1610266130487
337	Western Resource Advocates	7/27/2020	https://docket.images.azcc.gov/E000007821.pdf?i=1610266130487
338	Proctor Engineering Group	7/27/2020	https://docket.images.azcc.gov/E000007818.pdf?i=1610266130487
339	Vote Solar, Sunrun, AriSEIA, Solar United Neighbors, Coalition for Community Solar Access	7/28/2020	https://docket.images.azcc.gov/E000007860.pdf?i=1610266130487
340	Arizona PIRG Education Fund and Wildfire	7/29/2020	https://docket.images.azcc.gov/E000007896.pdf?i=1610266130487
341	Western Grid Group, To Nizhoni Ani, Southwest Energy Efficiency Project, Sierra Club-Grand Canyon Chapter, Dine CARE, and Western Resource Advocates	7/29/2020	https://docket.images.azcc.gov/E000007869.pdf?i=1610266130487
342	Bruce Plenk (Self)	7/30/2020	https://docket.images.azcc.gov/E000007910.pdf?i=1610266130487
343	Karin Wadsack (Self)	7/30/2020	https://docket.images.azcc.gov/E000007909.pdf?i=1610266130487
344	Terry Finerock (Self)	7/30/2020	https://docket.images.azcc.gov/E000007908.pdf?i=1610266130487
345	City of Scottsdale, Office of Environmental Initiatives	7/30/2020	https://docket.images.azcc.gov/E000007898.pdf?i=1610266130487
346	Kate Leinenweber (Self)	08/06/2020	https://docket.images.azcc.gov/E000008123.pdf?i=1610266130487
347	6 Individual Ratepayers	08/07/2020	https://docket.images.azcc.gov/E000008307.pdf?i=1610266130487
348	Robert Rutkowski (Self)	8/11/2020	https://docket.images.azcc.gov/E000008360.pdf?i=1610266130487
349	City of Scottsdale	9/17/2020	https://docket.images.azcc.gov/E000008993.pdf?i=1610266130487
350	101 Individual Ratepayers	9/29/2020	https://docket.images.azcc.gov/E000009278.pdf?i=1610266130487
351	Judith Anderson (Self)	9/29/2020	https://docket.images.azcc.gov/E000009267.pdf?i=1610266130487
352	City of Tucson	10/28/2020	https://docket.images.azcc.gov/E000009788.pdf?i=1610266130487

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#	Organization/Entity	Date	Hyperlink
353	Arizona Technology Council	1/6/2021	https://docket.images.azcc.gov/E000010994.pdf?i=1610266130487

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#	Name	Organization/Person	Date	Hyperlink
1	Dr. Bonnie Bobb	Western Sustainable Working Group	April 30th, 2019	https://azcc.granicus.com/player/clip/3527?view_id=3&redirect=true
2	David Jenkins	Conservatives For Responsible Stewardship	April 30th, 2019	https://azcc.granicus.com/player/clip/3527?view_id=3&redirect=true
3	Dr. Bonnie Bobb	Western Sustainable Working Group	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
4	Tajinder Uppal	Individual	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
5	James Moule	Individual	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
6	Diane Brown	Arizona PIRG Education Fund	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
7	Ellen Zuckerman	Southwest Energy Efficiency Project	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
8	Sandy Bahr	Sierra Club	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
9	Nona Siegel	Individual	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
10	Georgary Morris	Conservatives For Responsible Stewardship	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
11	Rikki Seguin	Interwest Energy Alliance	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
12	Adam Stafford	Western Resource Advocates	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
13	John Cortis	Individual	August 7th, 2019	https://azcc.granicus.com/player/clip/3629?view_id=3&redirect=true
14	Sandy Whittly	Chandler Resident	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
15	Art Terrazas	Vote Solar	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
16	Weston Berg	ACEEE	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
17	Emily Duff	Ceres	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
18	Amanda Ormond	Western Grid Group	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
19	Diane Brown	Arizona PIRG Education Fund	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
20	Louisa Eberle	Sierra Club	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
21	Lori Glover	City of Scottsdale	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
22	Court Rich	AriSEIA	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
23	Sandy Bahr	Sierra Club	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
24	Bret Fanshaw	Solar United Neighbors	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
25	Ellen Zuckerman	Southwest Energy Efficiency Project	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
26	Nicole Horsherder	Tó Nizhóní Ání	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
27	Judith Anderson	Sunrise	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
28	Adam Stafford	Western Resource Advocates	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
29	Kyl Klein	AZ Youth Climate Coalition	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
30	Theo Massey	Chandler resident	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
31	Jennifer Cransten	Grand Canyon State Cooperative	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
32	Nate Blouin	Interwest Energy Alliance	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true

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#	Name	Organization/Person	Date	Hyperlink
33	Doug Bland	Arizona Interfaith Power & Light	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
34	Elias Ancharski	Osborne Maledon, Western States Petroleum	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
35	Craig Goodman	Individual	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
36	Stacey Champion	Individual	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
37	#35	Individual	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
38	Jessica Reinhart	SunRun	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
39	Marshall Johnson	Individual	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
40	Craig Goodman	Individual	July 30th, 2020	https://azcc.granicus.com/player/clip/4049?view_id=3&redirect=true
41	Shelley Gordon	Individual	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
42	Rev. Doug Bland	Arizona Interfaith Power & Light	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
43	Nate Blouin	Interwest Energy Alliance	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
44	Diane Brown	Arizona PIRG Education Fund	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
45	Robert Bulechek	Individual	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
46	Timothy Nuvangyaoma	Hopi Tribe	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
47	Carolyn Davies	Individual	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
48	Steve Zylstra	Arizona Technology Council	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
49	Jeanne Devine	Retired Sociologist	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
50	Bret Fanshaw	Solar United Neighbors	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
51	Father Sam Nasada	Franciscan Renewal Center	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
52	Stormy Rose	Homeowner	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
53	Char Hoffman	Prescott Resident	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
54	Sandy Whittly	Registered Nurse	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
55	Jim Combs	Solar and Water Heating Contractor	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
56	Amanda Ormond	Western Grid Group	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
57	John Cortis	Civil Engineer	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
58	Ron Roedel	ASU Professor	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
59	Laurin Hardin	Earth Justice Ministry of Unitarian Universalist Congregation of Phoenix	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
60	Nicole Horseherder	Tó Nizhoni Ání	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
61	David Jenkins	Conservatives for Responsible Stewardship	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true
62	Caryn Potter	Southwest Energy Efficiency Project	March 10th - 11th, 2020	https://azcc.granicus.com/player/clip/3832?view_id=3&redirect=true